

SOAR Project Status

Themes

1. The 'New State' of the Pacific Arctic sector: Observations & models of sea ice loss, effects on primary production and acoustic ecology
2. Response of mid-level trophic species to the 'New State' of the Pacific Arctic: Benthic and pelagic invertebrates + forage fishes (cod, capelin, sand lance etc.)
3. Response of upper-trophic species to the 'New State' of the Pacific Arctic: Marine mammal and seabird distribution, relative abundance and phenology

Projects & Papers

Theme 1. The 'New State' of the Pacific Arctic sector: Observations & models of sea ice loss, effects on primary production and acoustic ecology			
Project Lead		Updates	Paper Title
Frey ** Moore		<ul style="list-style-type: none"> Figures complete, needs text Draft manuscript expected in mid-February 	Variability in annual persistence, breakup, and formation of sea ice cover in the Pacific Arctic region
Arrigo ** Stabeno	9/2/13	<ul style="list-style-type: none"> Draft manuscript received and reviewed 	Primary production in the Pacific sector of the Arctic Ocean
Mathis ** Stabeno	11/14/13	<ul style="list-style-type: none"> Draft manuscript received and out for review 	An ocean acidification vulnerability index for the Pacific Arctic region
Wood & Overland ** Stabeno		<ul style="list-style-type: none"> Draft out to coauthors Draft expected in early February 	A decade of environmental change in the Pacific Arctic region
Pickart & **Grebmeier		<ul style="list-style-type: none"> Awaits further contribution from coauthors, some figures complete Draft expected mid-February 	Mechanisms for enhanced trophic productivity in Barrow Canyon, Chukchi Sea
Theme 2. Response of mid-level trophic species to the 'New State' of the Pacific Arctic: Benthic and pelagic invertebrates + forage fishes (cod, capelin, sand lance etc.)			
Project Lead		Updates	Paper Title
Grebmeier** & Bluhm		<ul style="list-style-type: none"> Meetings held January & March 2013 Outline and draft figures complete Draft manuscript expected in mid-March 	Benthic system analysis at predator-prey "hotspot" sites along a latitudinal gradient in the northern Bering and Chukchi seas

Loggerwell & Napp ** Moore		<ul style="list-style-type: none"> • Workshop in Seattle, May 2013 • All data received, beginning analysis • Draft to coauthors in Feb, to journal in mid-March 	Fish of the Beaufort and Chukchi Seas
Divoky ** Suydam		<ul style="list-style-type: none"> • Meeting in January & November 2013 • Figures complete, writing underway • Draft expected in mid-February 	Consequences of summer sea ice loss to seabirds and seals in the Chukchi and Beaufort seas
Theme 3. Response of upper-trophic species to the 'New State' of the Pacific Arctic: Marine mammal and seabird distribution, relative abundance and phenology			
Project Lead		Updates	Paper Title
Clark**		<ul style="list-style-type: none"> • Workshop November 2012, Ithaca • Figures complete • Draft to coauthors early February, submitted by mid-February 	A year in the acoustic world of western Arctic bowhead whales.
George**	12/6/13	<ul style="list-style-type: none"> • Draft manuscript received and in review 	Western Arctic bowhead whale body condition and links to summer sea ice and upwelling in the Beaufort Sea
Kuletz & Ferguson ** Angliss		<ul style="list-style-type: none"> • Meetings October 2012, Seattle; January & March 2013, ANC • Analysis complete, writing underway • Draft manuscript expected in mid-February 	Seasonal and spatial patterns in marine bird and mammal abundance and distribution in the Pacific Arctic: A comparison of biologically important pelagic areas
Citta & Quakenbush **George	12/30/13	<ul style="list-style-type: none"> • Draft manuscript received and in review 	Oceanographic and other factors associated with western Arctic bowhead whale "hotspots"
Suydam**		<ul style="list-style-type: none"> • Meeting in January 2013 & 2014 • Figures complete, but not written yet • 	Relationship between beluga whales, Arctic cod, and oceanographic conditions in Barrow Canyon and at the shelf break of the western Beaufort Sea
Harwood **George	1/31/14	<ul style="list-style-type: none"> • C. George & G. Divoky joined paper • Draft manuscript received 	Scale Matters: Upper trophic level species and what they can tell us about ecosystem shifts in the Beaufort Sea
Project Lead		Updates	Paper Title
Moore & Stabeno		<ul style="list-style-type: none"> • A synthesis of the key findings of all papers in the Progress in Oceanography special issue 	Synthesis of the synthesis